

FORM PTO-1390  
(REV 10-97)

U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE

**TRANSMITTAL LETTER TO THE UNITED STATES  
DESIGNATED/ELECTED OFFICE (DO/EO/US)  
CONCERNING A FILING UNDER 35 U.S.C. 371****DATE:** February 23, 2001**EXPRESS MAIL LABEL NO.**  
EL496230349US**ATTORNEY DOCKET NO.**  
41654/CAG/S966**U.S. APPLICATION NO.**09/763520  
to be assigned**INTERNATIONAL APPLICATION NO.**  
**PCT/US98/25824****INTERNATIONAL FILING DATE**  
**04 December 1998****PRIORITY DATE CLAIMED**  
**05 December 1997****TITLE OF INVENTION****TRANSFORMATION METHODS FOR OPTIMIZING ELLIPTIC CURVE CRYPTOGRAPHIC COMPUTATIONS****APPLICANT(S) FOR DO/EO/US****Cetin Kaya Koc; John J. Beahan, Jr.; Behzad Sadeghi**

Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:

1. ☒ This is a **FIRST** submission of items concerning a filing under 35 U.S.C. 371.
2. ☐ This is a **SECOND** or **SUBSEQUENT** submission of items concerning a filing under 35 U.S.C. 371.
3. ☒ This is an express request to begin national examination procedures (35 U.S.C. 371(f) at any time rather than delay examination until the expiration of the applicable time limit set in 35 U.S.C. 371(b) and PCT Articles 22 and 39(1).
4. ☒ A proper Demand for International Preliminary Examination was made by the 19th month from the earliest claimed priority date.
5. ☒ A copy of the International Application as filed (35 U.S.C. 371(c)(2)).
  - a. ☐ is transmitted herewith (required only if not transmitted by the International Bureau).
  - b. ☐ has been transmitted by the International Bureau.
  - c. ☒ is not required, as the application was filed in the United States Receiving Office (RO/LUS).
6. ☐ A translation of the International Application into English (35 U.S.C. 371(c)(2)).
7. ☒ Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3)).
  - a. ☐ are transmitted herewith (required only if not transmitted by the International Bureau).
  - b. ☐ have been transmitted by the International Bureau.
  - c. ☐ have not been made; however, the time limit for making such amendments has NOT expired.
  - d. ☒ have not been made and will not be made.
8. ☐ A translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).
9. ☒ An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)). **Unexecuted**
10. ☐ A translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).

**Items below concern other document(s) or other information included:**

11. ☒ An Information Disclosure Statement under 37 CFR 1.97 and 1.98.
12. ☐ An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.
13. ☒ A **FIRST** preliminary amendment.  
☐ A **SECOND** or **SUBSEQUENT** preliminary amendment.
14. ☐ A substitute specification.
15. ☐ A change of power of attorney and/or address letter.
16. ☐ **SMALL ENTITY** Assertion: Applicant(s) and any others associated with it/them under 37 CFR § 1.27(a) are a small entity.
17. ☒ International search report.
18. ☐ International preliminary examination report.
19. ☒ Petition to Revive an Application for Patent Abandoned Unintentionally under 37 CFR § 1.137(b) and fee
20. ☐
21. ☐

|  |                     |  |                |  |                     |
|--|---------------------|--|----------------|--|---------------------|
| U.S. APPLICATION NO. (If known, see 37 CFR 1.51)<br><b>To be assigned</b> <b>097763520</b>   |                     | INTERNATIONAL APPLICATION NO.<br><b>PCT/US98/25824</b> |                | ATTORNEY DOCKET NO.<br><b>41654/CAG/S966</b> |                     |
| <input checked="" type="checkbox"/> The following fees are submitted: (see Note (1) below)<br><b>Basic National Fee (37 CFR 1.492(a)(1)-(5)):</b><br>Search Report has been prepared by the EPO or JPO ..... <b>\$860.00</b><br>International preliminary examination fee paid to USPTO (37 CFR 1.482) ... <b>\$690.00</b><br>No international preliminary examination fee paid to USPTO (37 CFR 1.482) but international search fee paid to USPTO (37 CFR 1.445(a)(2)) ..... <b>\$710.00</b><br>Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO ..... <b>\$1,000.00</b><br>International preliminary examination fee paid to USPTO (37 CFR 1.482) and all claims satisfied provisions of PCT Article 33(2)-(4) ..... <b>\$100.00</b><br><div style="text-align: right;"><b>ENTER APPROPRIATE BASIC FEE AMOUNT =</b></div>  |                     |  |                | <b>CALCULATIONS</b>                          | <b>PTO USE ONLY</b> |
|  |                     |  |                |  |                     |
| Surcharge of <b>\$130</b> for furnishing the oath or declaration later than <input type="checkbox"/> 20 <input checked="" type="checkbox"/> 30 months from the earliest claimed priority date (37 CFR 1.492(e)).   |                     |  |                | <b>\$ 130</b>                                |                     |
| <b>Claims</b>  | <b>Number Filed</b> | <b>Number Extra</b>                                    | <b>Rate</b>    |  |                     |
| Total Claims   | <b>23</b> -20=      | <b>3</b>   | <b>X \$18</b>  | <b>\$ 54</b>                                 |                     |
| Independent Claims   | <b>5</b> -3=        | <b>2</b>   | <b>X \$80</b>  | <b>\$ 160</b>                                |                     |
| Multiple dependent claim(s) (if applicable)  |                     |  | <b>+ \$270</b> | <b>\$</b>                                    |                     |
| <b>TOTAL OF ABOVE CALCULATIONS =</b>   |                     |  |                | <b>\$ 444</b>                                |                     |
| Reduction by 1/2 for filing by small entity, if applicable. Verified Small entity statement must also be filed. (Note 37 CFR 1.9, 1.27, 1.28).   |                     |  |                | <b>\$</b>                                    |                     |
| <b>SUBTOTAL =</b>  |                     |  |                | <b>\$ 444</b>                                |                     |
| Processing fee of <b>\$130</b> for furnishing the English translation later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 months from the earliest claimed priority date (37 CFR 1.492(f)).   |                     |  |                | <b>\$</b>                                    |                     |
| <b>TOTAL NATIONAL FEE =</b>  |                     |  |                | <b>\$ 444</b>                                |                     |
| Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). <b>\$40.00</b> per property  |                     |  |                | <b>\$</b>                                    |                     |
| <b>TOTAL FEES ENCLOSED =</b>   |                     |  |                | <b>\$ 444</b>                                |                     |
| <b>Note (1): The basic national fee must be paid when filing this application. The 20-month time limit (37 CFR § 1.494) and 30-month time limit (37 CFR § 1.495) are not extendable.</b>   |                     |  |                | Amount to be:                                |                     |
|  |                     |  |                | refunded                                     | <b>\$</b>           |
|  |                     |  |                | charged                                      | <b>\$</b>           |
| <p>a. <input checked="" type="checkbox"/> A check in the amount of <b>\$ 444</b> to cover the above fees is enclosed.</p> <p>b. <input type="checkbox"/> Please charge my Deposit Account No. _____ in the amount of \$ _____ to cover the above fees. A duplicate copy of this sheet is enclosed.</p> <p>c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. <b>03-1728</b>. A duplicate copy of this sheet is enclosed.</p> <p><b>NOTE (2): Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status.</b></p> <p>SEND ALL CORRESPONDENCE TO:</p> <p style="margin-left: 40px;"><b>Craig A. Gelfound</b><br/> <b>CHRISTIE, PARKER &amp; HALE</b><br/> <b>P.O. Box 7068</b><br/> <b>Pasadena, CA 91109-7068</b></p> <p style="margin-left: 40px;"><b>CUSTOMER NUMBER: 23363</b></p> <div style="text-align: right; margin-top: 20px;">       By <u>Craig A. Gelfound</u><br/>       Craig A. Gelfound<br/>       Reg. No. 41,032     </div> |                     |  |                |  |                     |

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

EXPRESS MAIL NO. EL496230349US

Applicant : Cetin Kaya Koc et al.  
Application No: : To be assigned  
Filed : Herewith  
Title : Transformation Methods for Optimizing Elliptic  
Curve Cryptographic Computations

Docket No. : 41654/CAG/S966

RECEIVED

27 MAR 2001

PETITION TO REVIVE AN APPLICATION  
FOR PATENT ABANDONED UNINTENTIONALLY  
UNDER 37 CFR 1.137(b)

Legal Staff  
International Division

Assistant Commissioner for Patents  
Washington, D.C. 20231

Post Office Box 7068  
Pasadena, CA 91109-7068  
February 23, 2001

Commissioner:

Pursuant to 37 CFR § 1.137(b) Applicants hereby petition to revive International Application, PCT/US98/25824. This International Application became abandoned on June 5, 2000, and this petition is being filed within one year from the date of abandonment. The entire delay in filing the required reply from the due date for the reply until the filing of this petition under 37 CFR 1.137(b) was unintentional.

Enclosed is a Transmittal Letter, dated February 23, 2001, to the United States Designated/Elected Office (DO/EO/US) concerning the filing under 35 USC 371 requesting that the national stage under Chapter II of the PCT be entered, along with the applicable fees.

The application status is a large entity and the fee required by 37 CFR 1.17(m) of \$1240 accompanies this petition. The Commissioner is authorized during the prosecution of this application to charge fees that may be required or credit any overpayment of fees

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**Docket No. 41654/CAG/S966**

to Deposit Account No. 03-1728. Please show our above-referenced docket number with any credit or charge to our Deposit Account. A duplicate of this letter is enclosed.

I hereby declare that all statements made herein in my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States code, and that such willful false statements may jeopardize the validity of the application, any patent issuing thereon, or any patent to which this verified statement is directed.

Respectfully submitted,

CHRISTIE, PARKER & HALE, LLP

By Craig A. Gelfound  
Craig A. Gelfound  
Reg. No. 41,032  
626/795-9900

CAG/mac

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